

GILA RIVER BASIN

09486590 ARIVACA CREEK NEAR ARIVACA, AZ

LOCATION.--Lat, long undetermined. 1.5 mi west of Arivaca, on the Arivaca/Sasabe Hwy.

DRAINAGE AREA.--Undetermined.

PERIOD OF RECORD.--Apr. 30, 2002, to current year.

GAGE.--Water-stage recorder and data collection platform. Datum of gage is undetermined. U.S. Fish and Wildlife Service has taken measurements 1.5 mi upstream since 1991. U.S. Geological Survey operated a gage 2.5 mi downstream (09486600) from 1967 to 1972. U.S. Geological Survey operated a gage 1.5 mi upstream (09486580) from 1996 to 2002.

REMARKS.--Records good. No known regulation except for a few small stock ponds.

EXTREMES FOR PERIOD OF RECORD.--At site 2.5 mi. downstream (09486600), maximum discharge 3,550 ft³/s Dec. 20, 1967 (gage height 7.18 ft. from highwater mark in gage well), from rating curve extended above 260 ft³/s on basis of slope-area measurement at gage height 13.32 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 24, 1965, reached a stage of 13.32 ft. from a profile past gage (4 mi. downstream) (discharge 15,900 ft³/s, by slope area measurement of peak flow); flood resulted from storm runoff and failure of two earth dams which were storing an estimated 2,000 acre ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug. 2.....	1745	*254	*4.22

Minimum daily discharge, no flow for most of the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.06	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	0.04	0.00	0.00	29	0.00
3	---	---	---	---	---	---	---	0.04	0.00	0.00	11	0.00
4	---	---	---	---	---	---	---	0.03	0.00	0.00	1.0	0.00
5	---	---	---	---	---	---	---	0.01	0.00	0.00	0.61	0.00
6	---	---	---	---	---	---	---	0.01	0.00	0.00	0.43	0.00
7	---	---	---	---	---	---	---	0.02	0.00	0.00	0.15	0.00
8	---	---	---	---	---	---	---	0.02	0.00	0.00	0.04	0.00
9	---	---	---	---	---	---	---	0.02	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	0.01	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	4.1	0.00	0.00
25	---	---	---	---	---	---	---	0.00	0.00	8.3	0.00	0.00
26	---	---	---	---	---	---	---	0.00	0.00	0.23	0.00	0.00
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	---	---	---	---	---	---	---	0.25	0.00	12.63	42.23	0.00
MEAN	---	---	---	---	---	---	---	0.008	0.000	0.407	1.362	0.000
MAX	---	---	---	---	---	---	---	0.06	0.00	8.3	29	0.00
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
MED	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	---	---	---	---	---	---	---	0.5	0.00	25	84	0.00